

Geometrical structures of phosphorus-containing heterocycles 21. 2-alkoxy- and 2-phenoxy-2-oxo-1,2-oxaphosphorinanes

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Abstract

1. A determination has been made of the dipole moments of the 2-(p-X-phenoxy)-2-oxo-1,2-oxaphosphorinanes, and of the dipole moment and Kerr constant of 2-methoxy-2-oxo-1,2-oxaphosphorinane. 2. These compounds exist as equilibrium mixtures of two chair conformations, the predominating form being that with an equatorial phosphoryl group and gauche-oriented alkoxy and phenoxy radicals. © 1979 Plenum Publishing Corporation.

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